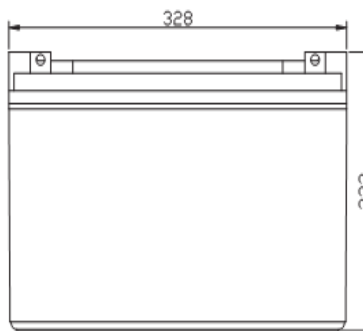


F.E. Model: FSBFE001- FE12-100DG



FE12-100DG is GEL deep cycle battery, with 12 years floating design life, superiorly designed for frequent cyclic discharge application under extreme temperature. By using strong grid to insure reliable performance under frequent cyclic discharge use, 400 cycles could be available at 100% DOD. Offering extra-durable cyclic performance, high efficiency of recovery, that is more suitable for solar.

Dimension (mm) :
328(L) × 172(W) × 222(H)



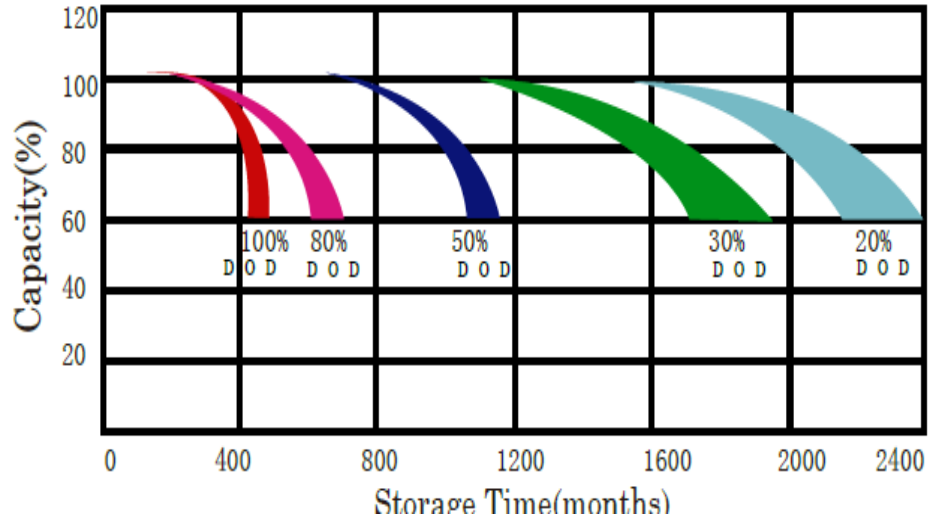
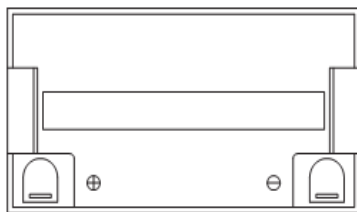
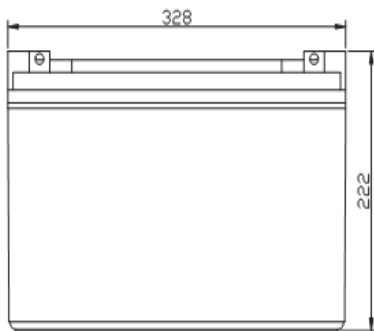
Specification

| | |
|--|---|
| Cells Per Unit | 6 |
| Voltage Per Unit | 12 |
| Capacity | 100Ah@20hr-rate to 1.75v per cell@25°C |
| Weight | Approx.30.0Kg |
| Max. Discharge Current | 1000A(5 sec) |
| Internal Resistance | Approx.7.5mΩ |
| Operating Temperature Range | Discharge:-40°C ~60°C Charge:-20°C ~50°C Strong:-40°C ~60°C |
| Normal Operating Temperature Range | 25°C±5°C |
| Float charging Voltage | 13.6 to 13.8 VDC/unit Average at 25°C |
| Recommended Maximum Charging Current Limit | 20A |
| Equalization and Cycle Service | 14.2 to 14.4 VDC/unit Average at 25°C |
| Self Discharge | FE batteries can be stored for more than 6 months at 25°C .Self-discharge ratio less than 3% per month at 25°C .Please charge batteries before using. |
| Terminal | Terminal F5/F12 |
| Container Material | A.B.S.(UL94-HB),Flammability resistance of UL94-V1 can be available upon request. |

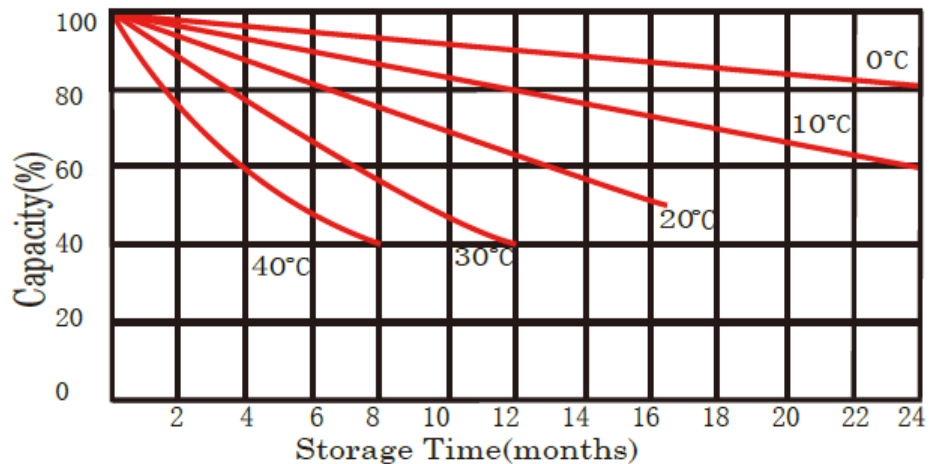
Life characteristics of cyclic use



Dimension (mm) :
328(L) × 172(W) × 222(H)



Storage characteristic



Capacity Factors With Different Temperature

| Battery Type | | -20°C | -10°C | 0°C | 5°C | 10°C |
|--------------|--------|-------|-------|------|------|------|
| GEL Battery | 6v&12v | 50% | 70% | 83% | 85% | 90% |
| | 2v | 60% | 75% | 85% | 88% | 92% |
| Battery Type | | 20°C | 25°C | 30°C | 40°C | 45°C |
| GEL Battery | 6v&12v | 98% | 100% | 102% | 104% | 105% |
| | 2v | 99% | 100% | 103% | 105% | 106% |